

**What is claimed is:**

1. A digital broadcast signal processing apparatus comprising:

a memory section for storing GPS position information  
5 received from a movable body that is an object; and  
a multiplex processing section for multiplexing the GPS position information on a digital broadcast signal of a corresponding program.

10 2. A digital broadcast signal processing apparatus comprising:

a mapping processing section for mapping position information of a movable body that is an object on a map on a basis of GPS position information received from the movable

15 body; and

a multiplex processing section for multiplexing mapping information generated by said mapping processing section on a digital broadcast signal.

20 3. The digital broadcast signal processing apparatus according to claim 2, wherein

said mapping processing section maps position information of an imaging apparatus on the map together with the position information of the movable body on a basis of 25 GPS position information of the imaging apparatus.

4. A digital broadcast signal processing apparatus comprising:

a mapping processing section for mapping position information of an imaging apparatus on a map on a basis of 30 GPS position information of the imaging apparatus; and  
a multiplex processing section for multiplexing mapping

information generated by said mapping processing section on a digital broadcast signal.

5. A digital broadcast signal processing apparatus

5 comprising:

an object information generation section by an imaging apparatus for matching GPS position information received from a movable body that is an object with imaging area information by an imaging apparatus to generate object information by the 10 imaging apparatus; and

a multiplex processing section for multiplexing the object information by the imaging apparatus on a digital broadcast signal of a corresponding program.

15 6. A digital broadcast signal processing apparatus

comprising:

a first memory section for storing GPS position information received from a movable body that is an object;

a second memory section for storing imaging area 20 information by an imaging apparatus; and

a multiplex processing section for multiplexing the GPS position information and the imaging area information on a digital broadcast signal of a corresponding program.

25 7. The digital broadcast signal processing apparatus

according to claim 1, wherein

said multiplex processing section multiplexes profile information concerning the movable body on the digital broadcast signal.

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8. The digital broadcast signal processing apparatus according to claim 7, wherein

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said profile information includes uniform resource locator (URL) information or mail address information, both being for access to information concerning the movable body.

5 9. A digital broadcast signal processing apparatus comprising:

a mapping processing section for separating GPS position information of a movable body that is an object from a digital broadcast signal that was received or reproduced to map position  
10 information of the movable body on a map on a basis of the GPS position information; and

a multiplex processing section for multiplexing mapping information generated in said mapping processing section on a digital broadcast signal of a corresponding program.

15 10. A digital broadcast signal processing apparatus comprising:

a mapping processing section for separating GPS position information of an imaging apparatus from a digital broadcast signal that was received or reproduced to map position information of the imaging apparatus on a map on a basis of the GPS position information; and

a multiplex processing section for multiplexing mapping information generated in said mapping processing section on a digital broadcast signal of a corresponding program.

20 11. A digital broadcast signal processing apparatus comprising:

an object information generation section by an imaging apparatus for separating GPS position information of a movable body that is an object and imaging area information by an imaging apparatus from a digital broadcast signal that was received

or reproduced to match the GPS position information of the movable body that is the object and the imaging area information by the imaging apparatus and thereby for generating object information by the imaging apparatus; and

5           a multiplex processing section for multiplexing the object information by the imaging apparatus on the digital broadcast signal.

12.   A digital broadcast signal processing apparatus  
10 comprising:

          a memory section for storing profile information concerning a movable body that is an object; and

15           a multiplex processing section for multiplexing the profile information concerning the movable body that is the object of a digital broadcast signal that was received or reproduced on the digital broadcast signal.

13.   The digital broadcast signal processing apparatus according to claim 12, wherein

20           any of the position information of the movable body that is the object, mapping information generated by mapping of the position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging area information by the imaging apparatus and object information by the imaging apparatus is multiplexed on the digital broadcast signal.

14.   The digital broadcast signal processing apparatus according to claim 12, wherein

30           said profile information includes uniform resource locator (URL) information or mail address information for access to information concerning the movable body.

15. A digital broadcast signal processing apparatus comprising:

a separation section for separating GPS position  
5 information of a movable body that is an object from a digital  
broadcast signal that was received or reproduced; and  
a mapping processing section for mapping position  
information of the movable body on a first map separated from  
the digital broadcast signal or on a second map prepared in  
10 a self apparatus on a basis of the separated GPS position  
information.

16. A digital broadcast signal processing apparatus comprising:

a separation section for separating GPS position  
15 information of an imaging apparatus from a digital broadcast  
signal that was received or reproduced; and  
a mapping processing section for mapping position  
information of the imaging apparatus on a first map separated  
20 from the digital broadcast signal or on a second map prepared  
in a self apparatus on a basis of the separated GPS position  
information.

17. A digital broadcast signal processing apparatus comprising:

a separation section for separating GPS position  
information of a movable body that is an object and imaging  
area information by an imaging apparatus from a digital  
broadcast signal that was received or reproduced; and  
30 an object information generation section by an imaging  
apparatus for matching the GPS position information of the  
movable body that is the object with the imaging area information

by the imaging apparatus to generate object information by the imaging apparatus.

18. A digital broadcast signal processing apparatus  
5 comprising:

an object chasing function section for performing successively matching of identification information of an object designated by a viewer or an operator with object information by an imaging apparatus separated from a digital broadcast signal that was received or reproduced, and when there is an imaging apparatus the object information of which accords with the identification information of the object designated by the viewer or the operator, said object chasing function section outputting an image corresponding to the imaging apparatus selectively.

19. A digital broadcast signal processing apparatus comprising:

an object chasing function section for performing successively matching of GPS position information of a movable body corresponding to identification information of an object designated by a viewer or an operator with imaging area information by an imaging apparatus separated from a digital broadcast signal that was received or reproduced, and when there is an imaging apparatus the imaging area information of which accords with the identification information of the object designated by the viewer or the operator, said object chasing function section outputting an image corresponding to the imaging apparatus selectively.

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20. The digital broadcast signal processing apparatus according to claim 19, wherein,

when the image imaged by the imaging apparatus mounted on the movable body that is the object is multiplexed on the digital broadcast signal that was received or reproduced, said object chasing function section selectively outputs the image  
5 imaged by the imaging apparatus mounted on the movable body during there is no imaging apparatus that makes the movable body designated by the viewer or the operator an object.

21. A digital broadcast signal processing apparatus, wherein  
10 any of GPS position information of a movable body that is an object, mapping information generated by mapping of position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging area information by the imaging apparatus, and object  
15 information by the imaging apparatus, and profile information concerning the movable body that is the object are multiplexed on a digital broadcast signal that was received or reproduced, said digital broadcast signal processing apparatus comprising:

an Internet function section for receiving information  
20 from a uniform resource locator (URL) that was designated by a viewer or an operator through a communication channel to output the information selectively when an access request is issued from the viewer or the operator to the URL in a case where uniform resource locator (URL) information is included  
25 into the profile information for accessing to information concerning the movable body.

22. A digital broadcast signal processing apparatus, wherein  
any of GPS position information of a movable body that is an  
30 object, mapping information generated by mapping of position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging

area information by an imaging apparatus, and object information by an imaging apparatus, and profile information concerning the movable body that is the object are multiplexed on a digital broadcast signal that was received or reproduced,

5 said digital broadcast signal processing apparatus comprising:

an Internet function section for transmitting a mail to a designated mail address when an access request is issued from a viewer or an operator to the mail address in a case where the mail address is included into the profile information

10 for accessing to information concerning the movable body.

23. A digital broadcast signal processing method comprising the steps of:

reading out GPS position information received from a movable body that is an object; and

15 multiplexing the GPS position information on a digital broadcast signal of a corresponding program.

24. A digital broadcast signal processing method comprising

20 the steps of:

mapping position information of a movable body that is an object on a map on a basis of GPS position information received from the movable body; and

25 multiplexing mapping information generated in said mapping step on a digital broadcast signal.

25. The digital broadcast signal processing method according to claim 24, said method further comprising a step of:

mapping position information of an imaging apparatus 30 on the map together with the position information of the movable body on a basis of GPS position information of the imaging apparatus.

26. A digital broadcast signal processing method comprising the steps of:

mapping position information of an imaging apparatus  
5 on a map on a basis of GPS position information of the imaging apparatus; and

multiplexing mapping information generated by said step on a digital broadcast signal.

10 27. A digital broadcast signal processing method comprising the steps of:

matching GPS position information received from a movable body that is an object with imaging area information by an imaging apparatus to generate object information by the imaging apparatus; and

multiplexing the object information by the imaging apparatus on a digital broadcast signal of a corresponding program.

20 28. A digital broadcast signal processing method comprising the steps of:

reading out GPS position information received from a movable body that is an object;

25 reading out imaging area information by an imaging apparatus; and

multiplexing the GPS position information and the imaging area information on a digital broadcast signal of a corresponding program.

30 29. The digital broadcast signal processing method according to claim 24, said method further comprising a step of:

multiplexing profile information concerning the movable

body on the digital broadcast signal.

30. The digital broadcast signal processing method according to claim 29, wherein

5 the profile information includes uniform resource locator (URL) information or mail address information, both being for access to information concerning the movable body.

31. A digital broadcast signal processing method comprising  
10 the steps of:

separating GPS position information of a movable body that is an object from a digital broadcast signal that was received or reproduced to map position information of the movable body on a map on a basis of the GPS position information;  
15 and

multiplexing mapping information generated in said step on a digital broadcast signal of a corresponding program.

32. A digital broadcast signal processing method comprising  
20 the steps of:

separating GPS position information of an imaging apparatus from a digital broadcast signal that was received or reproduced to map position information of the imaging apparatus on a map on a basis of the GPS position information;  
25 and

multiplexing mapping information generated in said step on a digital broadcast signal of a corresponding program.

33. A digital broadcast signal processing method comprising  
30 the steps of:

separating GPS position information of a movable body that is an object and imaging area information by an imaging

apparatus from a digital broadcast signal that was received or reproduced to match the GPS position information of the movable body that is the object and the imaging area information by the imaging apparatus to generate object information by  
5 the imaging apparatus; and

multiplexing the object information by the imaging apparatus on the digital broadcast signal.

34. A digital broadcast signal processing method comprising  
10 the steps of:

reading out profile information concerning a movable body that is an object; and

multiplexing the profile information concerning the movable body that is the object of a digital broadcast signal  
15 that was received or reproduced on the digital broadcast signal.

35. The digital broadcast signal processing method according to claim 34, wherein

any of the position information of the movable body that  
20 is the object, mapping information generated by mapping of the position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging area information by the imaging apparatus and object information by the imaging apparatus is multiplexed on the  
25 digital broadcast signal.

36. The digital broadcast signal processing method according to claim 34, wherein

said profile information includes uniform resource locator (URL) information or mail address information for access to information concerning the movable body.

37. A digital broadcast signal processing method comprising the steps of:

separating GPS position information of a movable body that is an object from a digital broadcast signal that was received or reproduced; and

mapping position information of the movable body on a first map separated from the digital broadcast signal or on a second map prepared in a self apparatus on a basis of the separated GPS position information.

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38. A digital broadcast signal processing method comprising the steps of:

separating GPS position information of an imaging apparatus from a digital broadcast signal that was received or reproduced; and

mapping position information of an imaging apparatus on a first map separated from the digital broadcast signal or on a second map prepared in a self apparatus on a basis of the separated GPS position information.

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39. A digital broadcast signal processing method comprising the steps of:

separating GPS position information of a movable body that is an object and imaging area information by an imaging apparatus from a digital broadcast signal that was received or reproduced;

matching the GPS position information of the movable body that is the object with the imaging area information by the imaging apparatus to generate object information by the imaging apparatus.

40. A digital broadcast signal processing method comprising

the steps of:

performing successively matching of identification information of an object designated by a viewer or an operator with object information by an imaging apparatus separated from  
5 a digital broadcast signal that was received or reproduced; and

outputting selectively an image corresponding to an imaging apparatus according with the identification information of the object designated by the viewer or the  
10 operator when there is the imaging apparatus.

41. A digital broadcast signal processing method comprising the steps of:

performing successively matching of GPS position  
15 information of a movable body corresponding to identification information of an object designated by a viewer or an operator with imaging area information by an imaging apparatus separated from a digital broadcast signal that was received or reproduced; and  
20 outputting selectively an image corresponding to an imaging apparatus including GPS position information of the object designated by the viewer or the operator in its imaging area when there is the imaging apparatus.

25 42. The digital broadcast signal processing method according to claim 41, wherein

said step of outputting selectively an image corresponding to an imaging apparatus with which the movable body is mounted outputs an image imaged by the imaging apparatus  
30 with which the movable body is mounted while there is no imaging apparatus that makes the movable body designated by the viewer or the operator an object when the image imaged by the imaging

apparatus is multiplexed on a digital broadcast signal that was received or reproduced.

43. A digital broadcast signal processing method, wherein  
5 any of GPS position information of a movable body that is an object, mapping information generated by mapping of position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging area information by an imaging apparatus, and object  
10 information by an imaging apparatus, and profile information concerning the movable body that is the object are multiplexed on a digital broadcast signal that was received or reproduced, said method comprising the steps of:

judging whether an access request was issued or not to  
15 a uniform resource locator (URL) from a viewer or an operator; and

receiving information from a designated URL through a communication channel when the access request was issued to output the received information selectively in a case where  
20 URL information is included into the profile information for accessing to information concerning the movable body.

44. A digital broadcast signal processing method, wherein any of GPS position information of a movable body that is an object, mapping information generated by mapping of position information of the movable body that is the object and/or position information of an imaging apparatus on a map, imaging area information by an imaging apparatus, and object information by an imaging apparatus, and profile information concerning the movable body that is the object are multiplexed on a digital broadcast signal that was received or reproduced, said method comprising the steps of:

judging whether an access request to a mail address was issued or not from a viewer or an operator; and

transmitting a mail to the designated mail address when the access request was issued in a case where the mail address 5 is included into the profile information for accessing to information concerning the movable body.

45. A digital broadcast signal processing method comprising the processes of:

10 multiplexing GPS position information received from a movable body that is an object on a picture signal; and

transmitting the signal after the multiplexing process as a digital broadcast signal.

15 46. A digital broadcast signal processing method comprising the processes of:

multiplexing GPS position information of a movable body that is an object and imaging area information by an imaging apparatus on a picture signal; and

20 transmitting the signal after the multiplexing process as a digital broadcast signal.

47. A digital broadcast signal processing method comprising the processes of:

25 multiplexing mapping information generated by mapping position information of a movable body that is an object and/or position information of a imaging apparatus on a map on a picture signal; and

30 transmitting the signal after the multiplexing process as a digital broadcast signal.

48. A digital broadcast signal processing method comprising

the processes of:

    multiplexing object information by an imaging apparatus  
on a picture signal; and

    transmitting the signal after the multiplexing process

5   as a digital broadcast signal.

49.   A digital broadcast signal processing method comprising

the processes of:

    multiplexing profile information concerning a movable

10   body that is an object on a picture signal; and

    transmitting the signal after the multiplexing process

as a digital broadcast signal.